(c) to (e) The Centre for Development of Advanced Computing (C-DAC), Pune an autonomous Society under the Department of Electronics has initiated work in this direction for providing tools for analysis of Sanskrit and Vedic text in Indian Scripts. Packages are under development and the mechanism for their dissemination will be worked out thereafter.

List of some major works being done abroad on Computer applications in analysis of Sanskrit

1. "Sanskrit Sanskrit as Machine Translation Interlingua" by Rick Briggs, NASA, USA, Doctoral thesis.

2. "Sanskrit—Computational" by Dr. E. Schredl, Germany, 1990.

3. "On Knowledge Representation using Semantic Networks and Sanskrit" by S. N. Srihari, WJ. Rapaport and D. Kumar Technical Report 87-03 of SUNY at Buffalo, USA,, (Describes SNePS, a Semantic Network tool for NLP),

4. "Knowledge Representation in Sanskrit and Al" by Rick Briggs, NASA, USA, AL Magazine. Spring, 1985.

5. "The morphological analysis of Sanskrit by Computer" by A, Verboom. Institute Kern, Germany,—Ph. D Thesis.

6. "The Paninian approach to Natural Language Processing" by Prof. Subhash C. Kak., Lousiana State University, USA.

7. "A Knowledge Representation Language based on Navya-Nyaya" by Anand V. Hudli, Indiana University. USA.

Computer based Dictionaries for Sanskrit

1684. SHRIMATI SUSHMA SWARAJ Will the PRIME MINISTER be pleased to state:

(a) whether there are any computer based dictionaries for the Sanskrit; if so, details thereof;

' (b) whether there are the details of the Government's any computer based bilingual dictionaries for the Sanskrit;

(c) plan to develop computer based Sanskrit dictionary with syntactic and semantic features;

(d) what are the details of the scheme to involve the- Sanskrit Lexicographers in this work; and

(e) what will be the estimated budget, duration and Sanskrit and computer science manpower deployment?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA): (a) and (b) No Sir.

(c) The Centre for Development of Advanced Computing (C-DAC) an autonomous registered Society under the administrative control of Department of Electronics is engaged in developing a Sanskrit Paninian platform (a corpus Grammar) with Astadhyaya (Sutrapa-tha), Ganapath (Nominal formation), Dhatupatha (Varbal formation), Linga-nusasana (gender) and Siksa (Phonetics), with diacritical marks (Roman transliteration) and accents (for Vedic Sanskrit) besides the facilities for North and South Indian and Perso-Arabic transliterations.

(d) and (e) Such development work will involve dose interaction between the Sanskrit Lexicographers and computer scientists. A project has been initiated under Department of Electronics Techonology Development for Indian Languages (TDIL) Programme for the development of Lexicon at Sampuma-nand Sanskrit University, Varanasi, A budget of Rs. 33.5 lakhs has been estimated for this project with a duration of three years.

Monopoly in production and import of drugs

1685. SHRI PRAVAT KUMAR SAMANTARAY:

DR. R. K. PODDAR:

Will the PRIME MINISTER be pleased to state:

(a) what are the names of drugs which have monopoly in production and

in imports by drug companies having more than 10 per cent foreign equity operating in India?

(b) what was the production and value of production of each during the last three years; yearwise:

(c) what was the import and value of imports of each during the last three years yearwise: and

(d) what are the names of drugs which are exempted from price control at present?

THE MINISTER OF STATE TN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI CHINTA MOHAN): (a), (b) and (d) The names of drugs which have monopoly in production by drug companies having more than 10% foreign equity operating in India, production to the extent monitored by the Ministry and details of drugs exempted from price control are given in the Annexure. Value of production is not monitored by the Ministry. [See Appendix CLIX, Annexure No. 45]

(c) Quantity of imports and the value of imports of drugs, to the extent monitored by DGHS is given in the Annexure *[See* Appendix CLIX, Annexure No. 46]

Licence to produce CefraEidine drug

1686. SHRI BEKAL UTSAHI: Will the PRIME MINISTER be pleased to state:

(a) whether any company is being; licensed to produce Ceftazidine in the country;

(b) if so, names of the companies and licensed capacity;

(c) what was the production of the drug during the last two years, yearwise of each producer; .

(d) whether it is a fact that Ceftazidine is being imported;

(e) if so, the names of the companies and what was the import made by each quantity and value wise during the last two years, yearwise;

(f) whether it is a fact that the drug attracts customs duty;

(g) if so, what is the percentage;

(h) whether it is also a fact that formulations based on Ceftazidine are exempted from custom duty;

(i) if so, since when;

(j) what are the names of companies importing formulations and what was the import of each during the last three years, yearwise; and

(k) when and what was the price fixed and at what price each injection is being sold?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS (SHRI CHINTA MOHAN: (a) and (b) Yes, Sir. M/s. Glaxo has been given licence to manufacture Ceftazidine drug for a capacity of 590 Kgs. a year.

(c) Production of this drug is not monitored by the Ministry.

(d) No. Sir.

(e) Does not arise.

(f) and (g) With effect from 25-7-1991 bulk drug Ceftazidine is exempt from customes duty. Prior to this customs duty at the rate of 105.25% was levied on this drug.

(h) and(i) Yes, Sir, w.e.f. 10-8-1988.

(j) company wise import data is not being monitored by the ministry

(k) This is a non-scheduled formulation and therefore, outside price control under DPCO, 1987. **Computer readable texts of Sanskrit classics**

1687. SHRI PRAMOD MAHAJAN:

SHRI VIREN J. SHAH;

Will the PRIME MINISTER be pleased to state;

(a) whether there are computer readable texts of Sanskrit classics like Mahabharata, Kumar Sambhava, .etc. for further study;